

michael smith engineers limited

Enquiry sheet

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|---|---------------------|--------------|
| Customer reference | Enquiry date | |
| Date quote is required | Date quoted | |
| Preferred quote method (letter/fax/e-mail) | MSE quote reference | |
| Company details | | |
| Company name | Address 1 | |
| Address 2 | Address 3 | |
| Phone | Fax | |
| E-mail | | |
| Contact name | Job title | |
| What do you do/does the company do | | |
| Where did you hear of us | | |
| Application detail | | |
| What are using the pump for | | |
| What pumps are you currently using for this application | | |
| How many pumps are needed | | |
| Do you know what sort of pump you are looking for:- | | |
| what is the duty:(eg metering/transfer/dispense etc) | | |
| Is the duty continuous or intermittent | | |
| Do you need a smooth/pulselss flow | | |
| Do you need a sealed pump or a sealless leak free pump | | |
| Will the pump need to dry run | | |
| Fluid characteristics | DATA | UNITS |
| What is the fluid | | |
| Concentration of liquid | | |
| Do you know what materials are compatible with your pumping fluid (PP, PVDF, PTFE,Stainless steel, cast steel, hastelloy C, etc) | | |
| What is the fluid temperature | | |
| What is the fluid density | | |
| What is the fluid viscosity | | |
| Are there any solids/particles in the fluid | | |
| If so, what size are they | | |
| If so, what concentration are they | | |
| Are the particles hard or soft | | |
| What is the vapour pressure of the fluid | | |
| Is the fluid flammable | | |

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| Duty details | | |
| What is the flow rate | | |
| Does the flow rate need to be accurate | | |
| If yes, how accurate | | |
| Does the flow rate need to be adjustable | | |
| If yes then how is it to be adjusted (manual, 4-20mA, 0-5 VDC) | | |
| If yes, what range is required | | |
| Is the suction flooded/pressurised | | |
| If yes how much | | |
| If the pump is not flooded then will the pump need to lift the liquid | | |
| If so, is it a dry lift (self prime) or wet lift (primed) | | |
| How much/far does it need to lift | | |
| What NPSHA is available | | |
| What is the outlet pressure the pump is expected to generate/overcome | | |
| Is this outlet pressure a discharge or differential pressure | | |
| Drive details | | |
| What sort of motor is required | | |
| Air or electric | | |
| If electric, what supply is available, (voltage, frequency, number of phases) | | |
| Voltage AC or DC | | |
| Frequency 50 Hz or 60 Hz | | |
| Single phase or three phase | | |
| Is the pump to be used or sited indoors or outdoors | | |
| What motor protection is required | | |
| Is the pump to be used in a flameproof area | | |
| If yes, what ATEX rating is required | | |
| Other points | | |
| What budget is available | | |
| Who are we quoting against | | |
| What delivery is required | | |
| Is the project sanctioned | | |
| Have you got our sales leaflets | | |
| Do you have any other pump applications on site | | |
| Is there anyone else we should talk to concerning pumps | | |
| Any other notes | | |
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